

# Converting Colors

XYZ(37.3098, 21.0273, 44.2117)

Have a look what the booklet for  
XYZ(37.3098, 21.0273, 44.2117)  
contains.

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# Color

**XYZ(37.3098, 21.0273,  
44.2117)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D540B2
RGB	213, 64, 178
RGB Percent	84%, 25%, 70%
CMY	0.1647, 0.7490, 0.3020
CMYK	0.00, 0.70, 0.16, 0.16
HSL	314°, 64%, 54%
HSV	314°, 70%, 84%
XYZ	37.3098, 21.0273, 44.2117
YIQ	121.5470, 52.2100, 67.0420

# Conversions

## Conversions Part 2

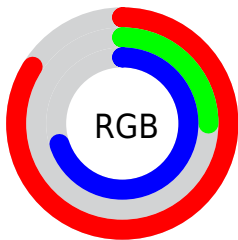
Format	Color
R <sub>Y</sub> B	213, 64, 178
Decimal	13975730
CIE Lab	52.98, 68.77, -29.17
CIE LCh	53, 74.704, 337.016
Yxy	21.0273, 0.3638, 0.2050
Android (android.graphics.Color)	4292165810 (0xFFD540B2)
YUV	121.5470, 27.8313, 80.2043
Hunter-Lab	45.8555, 64.9872, -25.0657

# Details

The XYZ color **37.3098, 21.0273, 44.2117** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.1618, 49.5800, 19.8922**, and the grayscale version is **18.2531, 19.2037, 20.9128**.

A 20% lighter version of the original color is **63.1742, 41.3664, 82.4968**, and **17.0281, 8.3507, 20.1164** is the 20% darker color. If you saturate the color by 10%, you get **35.8365, 18.8699, 41.2870**, and if you desaturate by 10%, it is **39.2612, 24.1110, 47.3866**.

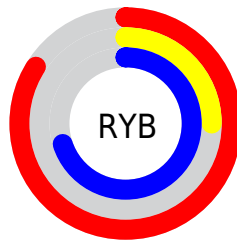
# Distribution



Red (84%)

Green (25%)

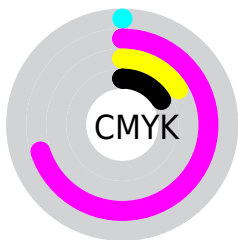
Blue (70%)



Red (84%)

Yellow (25%)

Blue (70%)

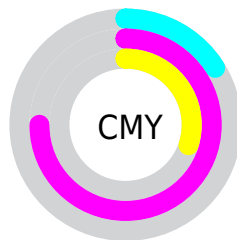


Cyan (0%)

Magenta (70%)

Yellow (16%)

Black (16%)



Cyan (16%)

Magenta (75%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3098, 21.0273, 44.2117 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.3098, 21.0273, 44.2117 by changing the saturation by 10% instead.



37.3098, 21.0273,  
44.2117

37.3098, 21.0273,  
44.2117

325.9821,  
257.4235, 379.6381

25.6222, 13.1440,  
30.4986

70.3597, 45.1330,  
82.8421

16.6724, 7.5278,  
19.9621

92.4528, 62.1241,  
108.5964

10.0951, 3.7943,  
12.1837

118.7451, 82.9199,  
139.2015

5.5248, 1.5592,  
6.7448

149.6020,  
107.9048, 175.0760

2.5962, 0.3298,  
3.2270

185.3887,  
137.4633, 216.6383

0.9440, 0.0000,  
1.2117

226.4708,

0.0000, 0.0000,

171.9796, 264.3071

0.0000

273.2135,  
211.8382, 318.5008

■ 37.3098, 21.0273,  
44.2117

■ 37.3098, 21.0273,  
44.2117

■ 35.8365, 18.8699,  
41.2870

■ 39.2612, 24.1110,  
47.3866

■ 34.7837, 17.5246,  
38.5917

■ 41.7356, 28.2114,  
50.8269


■ 34.0518, 16.7925,  
36.0919


■ 44.7749, 33.4115,  
54.5479


■ 34.0483, 16.7892,  
36.0795


■ 48.4160, 39.7852,  
58.5627

■ 52.6927, 47.3995,  
62.8834

 57.6363, 56.3168,  
67.5214

 63.2759, 66.5950,  
72.4872

 69.6389, 78.2886,  
77.7908

 76.5245, 90.9957,  
83.3662

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.4963, 21.0273, 77.5107



37.3098, 21.0273, 44.2117



38.9762, 21.0273, 18.0193

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.3098, 21.0273, 44.2117



18.2017, 21.0273, 1.2225



10.2090, 21.0273, 59.9300

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.3098, 21.0273, 44.2117



28.1618, 49.5800, 19.8922

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



8.4526, 21.0273, 28.5796



37.3098, 21.0273, 44.2117



12.2191, 21.0273, 2.8354

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.3098, 21.0273, 44.2117



26.4642, 21.0273, 1.7173



9.0777, 21.0273, 9.8427



14.6617, 21.0273, 90.0097



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.3098, 21.0273, 44.2117



36.6348, 21.0273, 8.3574



9.0777, 21.0273, 9.8427



9.3450, 21.0273, 48.6162

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.3105, 21.0283, 44.2121



78.3220, 69.6795, 93.6573



18.9651, 11.1118, 64.0963



16.3667, 14.2043, 19.6523



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.3105, 21.0283, 44.2121



53.0071, 27.2245, 60.0175



31.7601, 18.8082, 14.9839



12.8225, 12.5805, 15.0053



20.8394, 10.2721, 22.2560



1.2879, 0.6319, 1.5052



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.3105, 21.0283, 44.2121



53.0071, 27.2245, 60.0175



33.4782, 51.7066, 47.8878



12.8225, 12.5805, 15.0053



20.8394, 10.2721, 22.2560



1.2879, 0.6319, 1.5052



# Previews

## White Background



This preview shows how the XYZ color 37.3098, 21.0273, 44.2117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

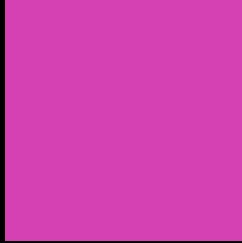
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 37.3098, 21.0273, 44.2117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

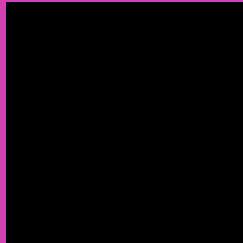
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.3098, 21.0273, 44.2117**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3098, 21.0273, 44.2117.



This preview shows how white text looks on a background with the XYZ color 37.3098, 21.0273,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

37.3098, 21.0273, 44.2117

### Protanopia

24.2147, 21.5811, 75.5624

### Deuteranopia

21.6975, 21.2448, 40.4932



## Tritanopia

30.8148, 20.9501, 13.2461

# Trichromacy



## Original Color

37.3098, 21.0273, 44.2117



## Protanomaly

25.0124, 18.6182, 62.5970



## Deuteranomaly

25.0591, 19.2584, 41.4262



## Tritanomaly

32.5828, 20.6279, 21.6663

# Monochromacy



## Original Color

37.3098, 21.0273, 44.2117



## Achromatopsia

18.4984, 19.4618, 21.1939



## Achromatomaly

23.0537, 18.2289, 27.8947

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3098, 21.0273, 44.2117 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(213, 64, 178)` looks like.

```
.text, #text, p{  
    color:rgb(213, 64, 178)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 64, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 64, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3098, 21.0273, 44.2117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 64, 178) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(213, 64, 178) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(213, 64, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 64, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 64, 178);  
box-shadow:4px 4px 4px 4px rgb(213, 64,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3098, 21.0273, 44.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 64, 178) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213, 64,  
178) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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